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# Electric Elevators for Passenger and Freight Service

For Government and Municipal Buildings  
Elevated, Surface and  
Underground Railway  
Stations  
Office Buildings  
Stores  
Warehouses  
Apartment Houses and  
Private Residences

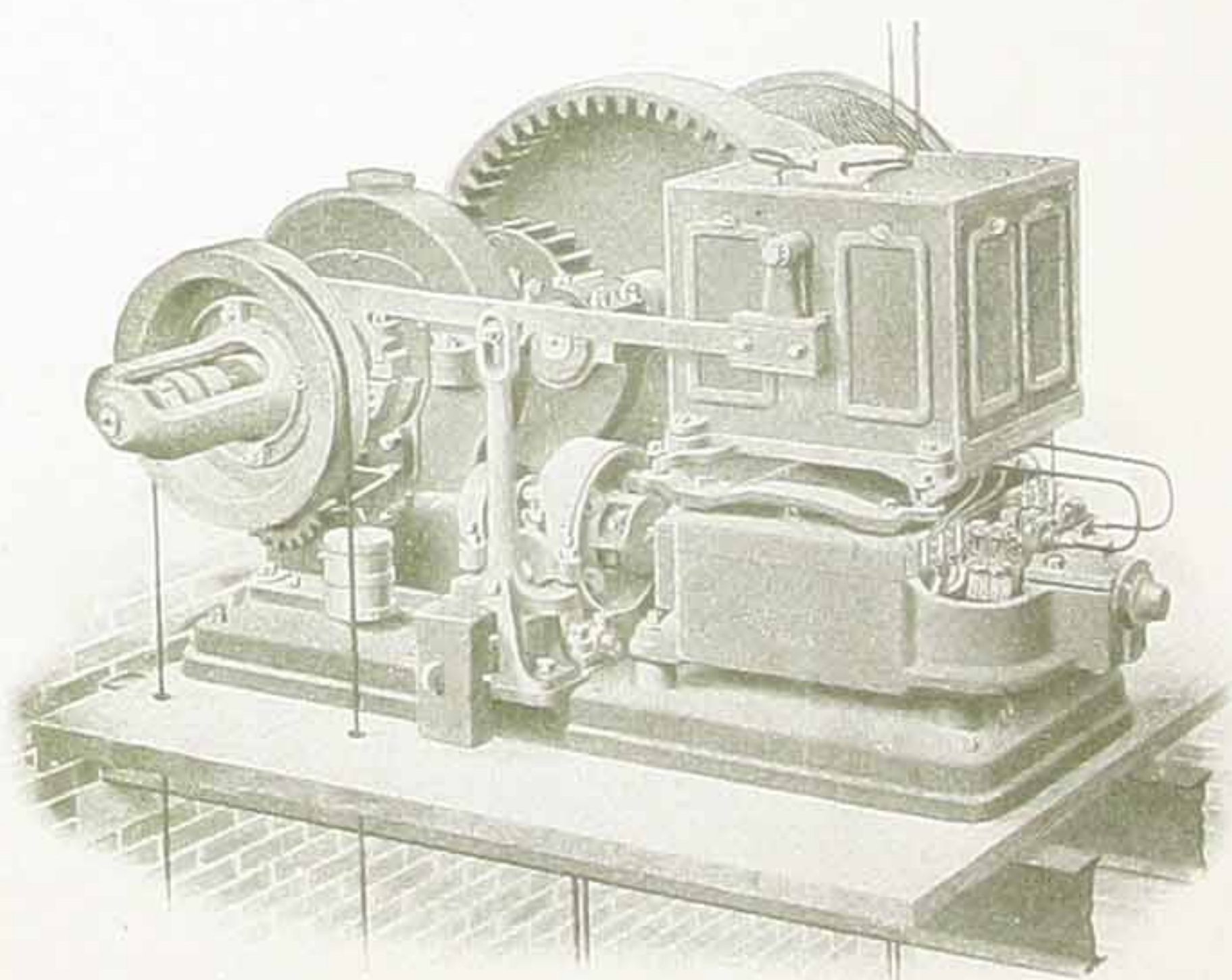
## Electric Hoisting Engines

Vertical Lift or Incline Charging  
Hoists for Mines, etc.  
Electric Whip Hoists for  
Warehouses, Docks and  
Vessels

The Electric Elevator is built for any lifting capacity required.

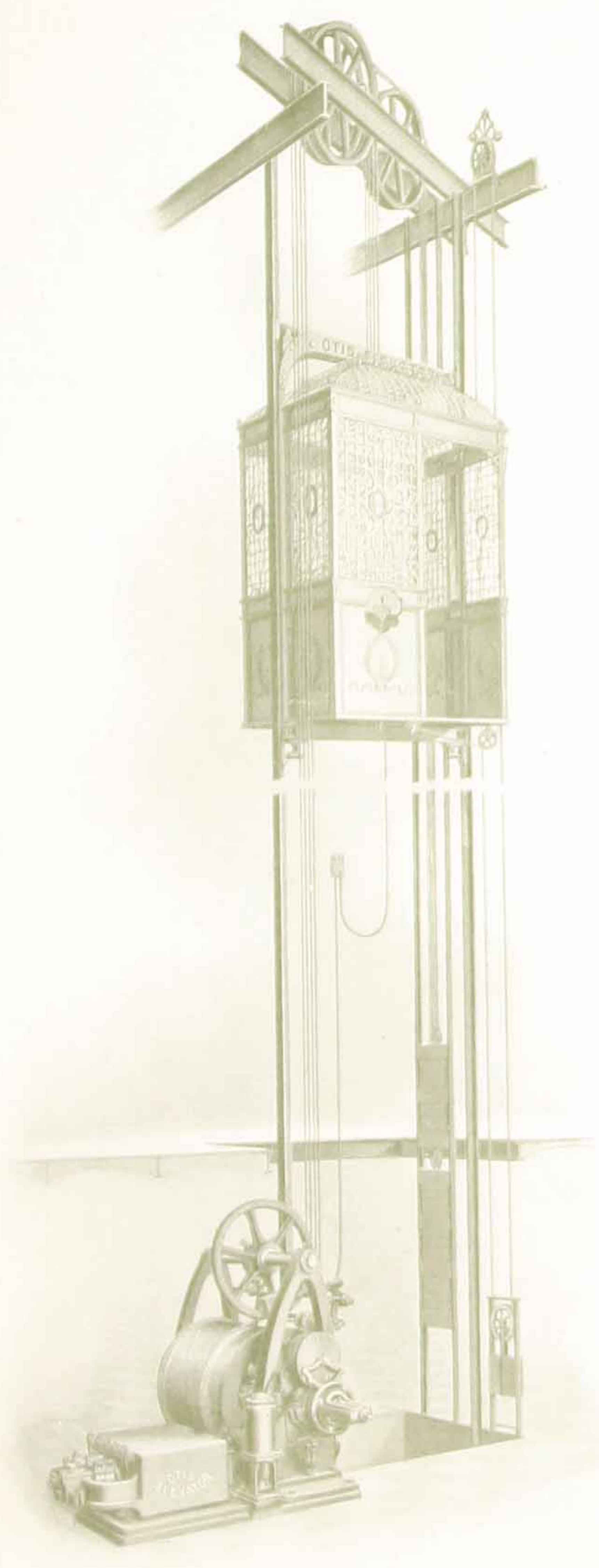
Car speed may be provided from 30 to 400 feet per minute.

The car or platform may be controlled by hand switch, lever device, hand wheel or hand cable.





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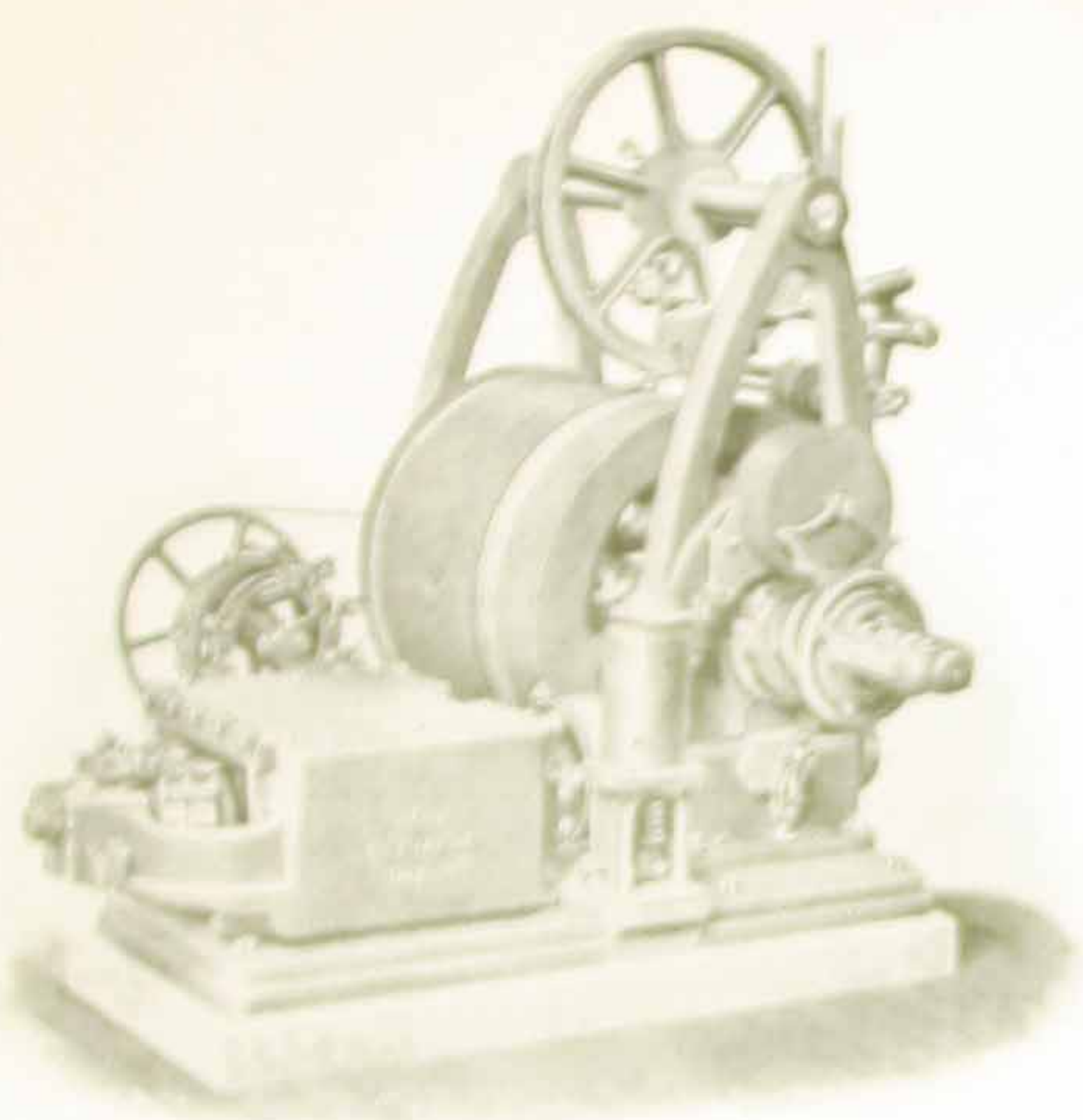
## Electric Passenger Elevators for Private Residences

This is an Otis specialty, and is now regarded as an essential feature of every fine residential establishment. These elevators are built to be operated by push buttons at the landing doors and in the car.

If it is desired to bring the car to a particular landing, it is only necessary to press the button opposite the door at that landing. This will bring the car to the landing, when the door may be opened, and while open the car cannot be removed from the landing. There is a system of automatic door-locking devices connected with the operating mechanism of the elevator. The car is provided with a series of buttons corresponding in number to the number of the floor landings. On entering the car and closing the







door, it is only necessary to push the button corresponding to the number of the floor to which the passenger desires to go, when the car will immediately proceed to and stop automatically at that landing. On reaching the desired landing, and then only, the entrance landing door may be opened from the car.

The system is complete, simple, positive in operation and affords absolutely safe elevator service.



## The Otis Hydraulic Elevator for Passenger and Freight Service

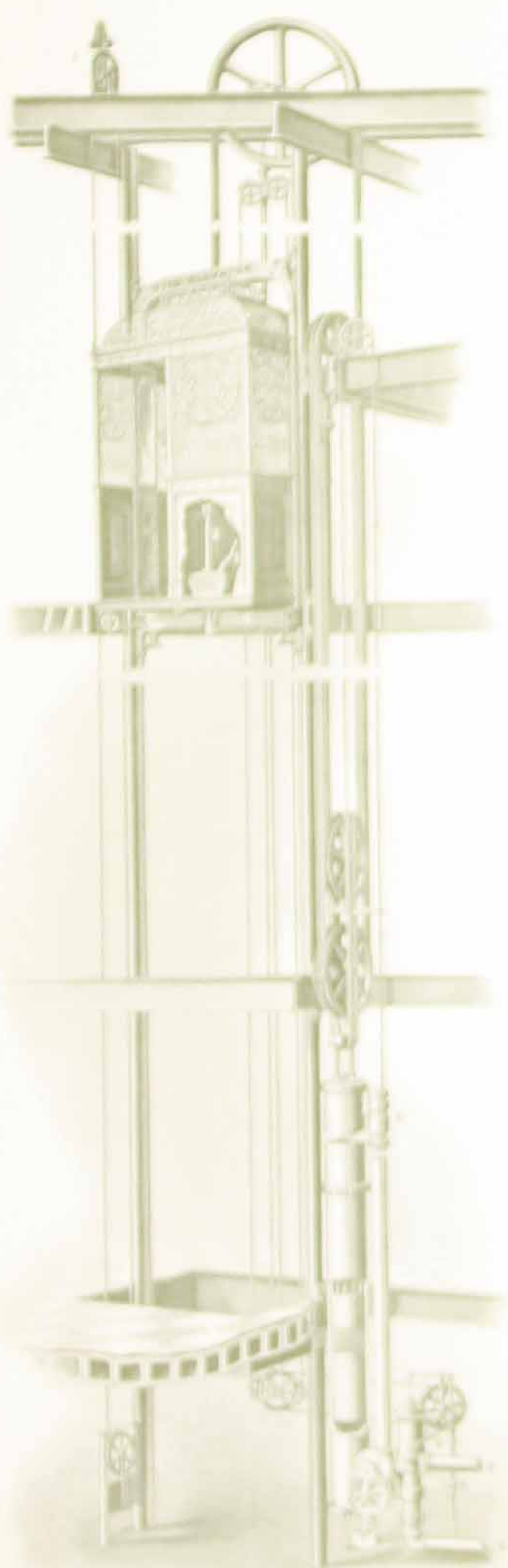
This is built in various types, including the Standard Vertical Hydraulic Machine, the Plunger or Direct Lift Hydraulic Machine, the Horizontal Hydraulic Engine of the pushing type, and the Horizontal Hydraulic Engine of the pulling or tension type.

The Hydraulic Elevator may be operated from water pressure obtained from the street mains; by gravity - pressure from an open tank on the roof of the building, or by pressure tank placed on the roof or in the basement of a building, and can be built for operation at any pressure from 50 pounds per square inch upward.

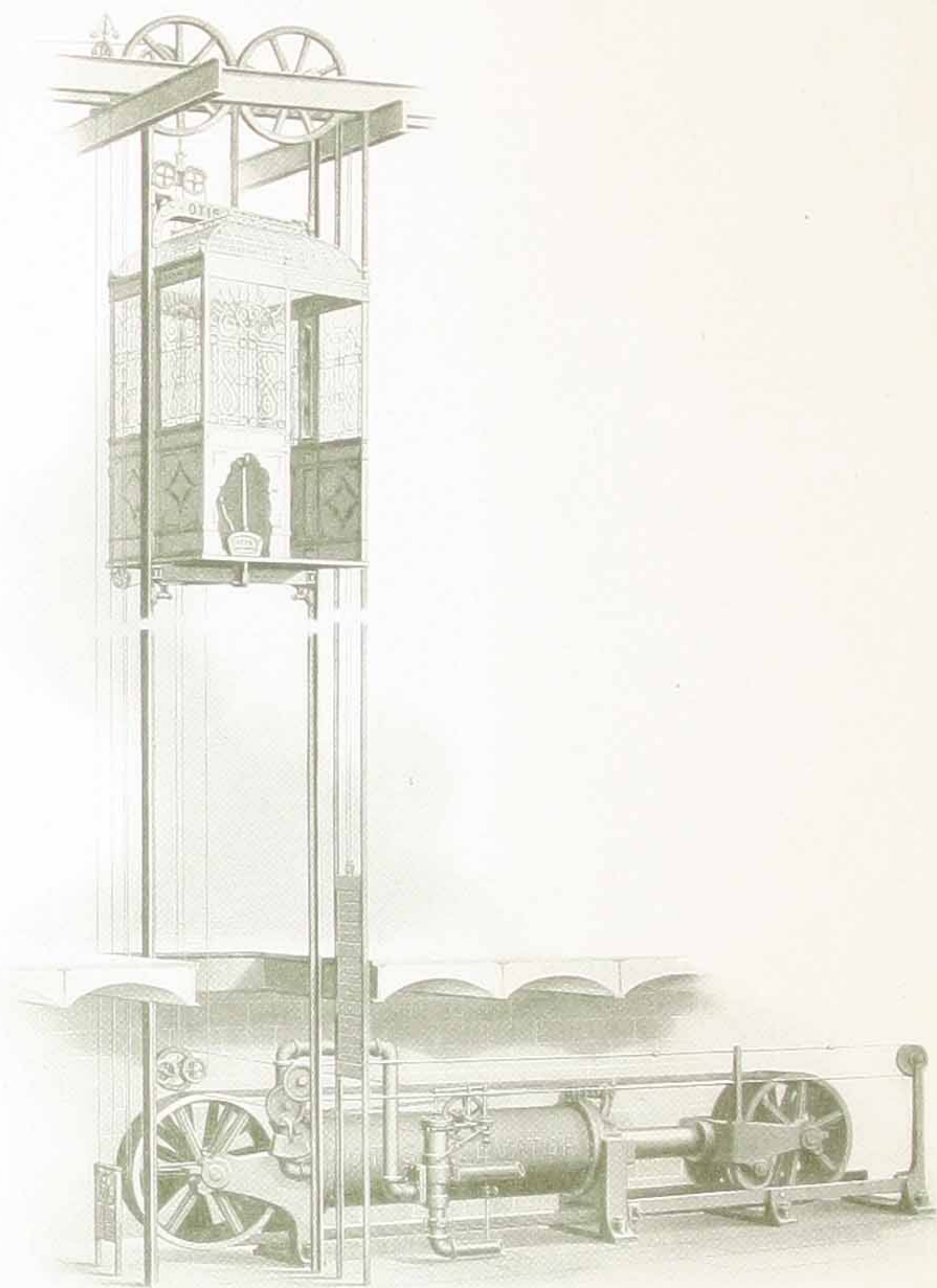
These Elevators have been tested by many years of actual service, and may be built to be run at any desired speed from 20 feet to 1,000 feet per minute.



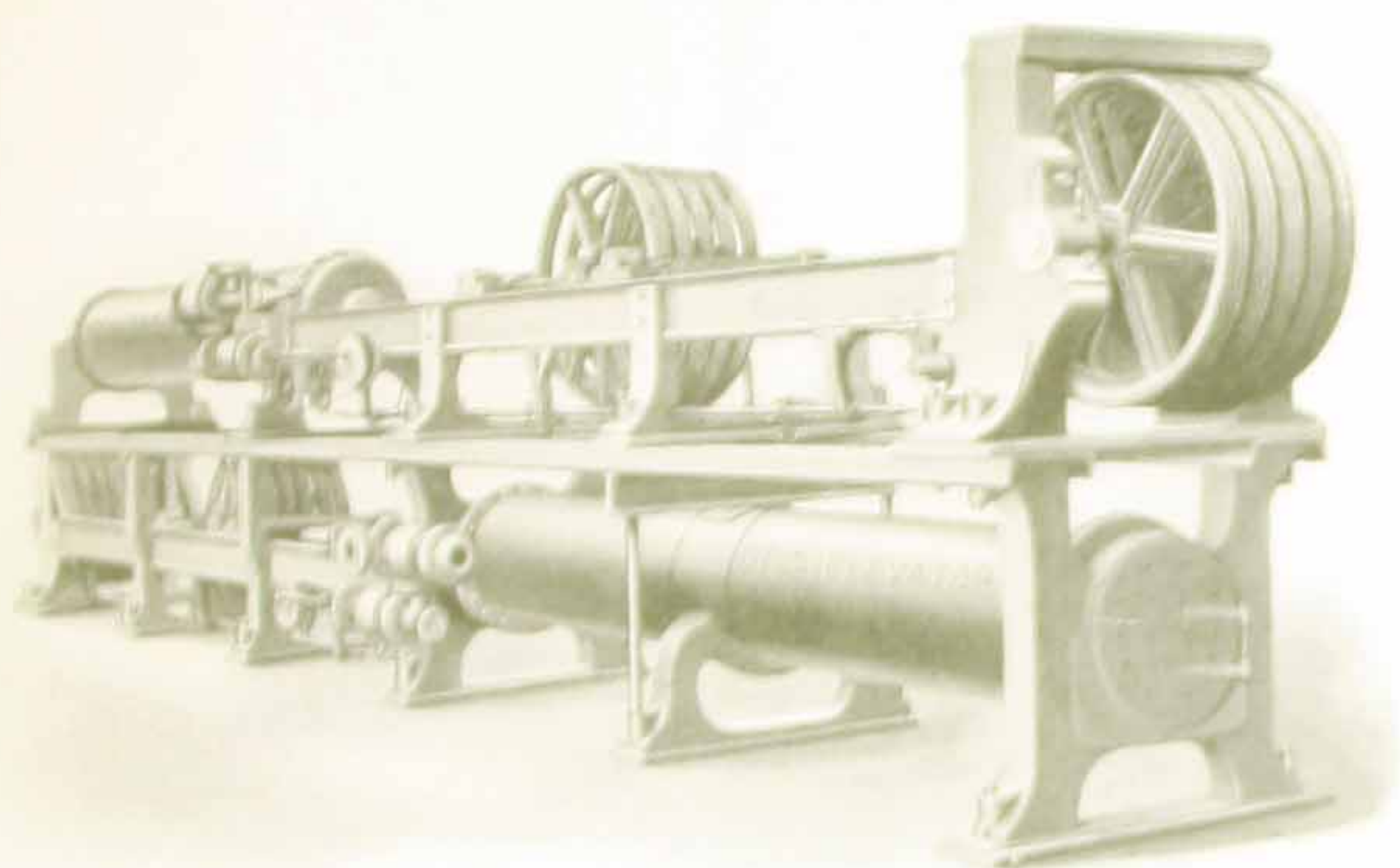




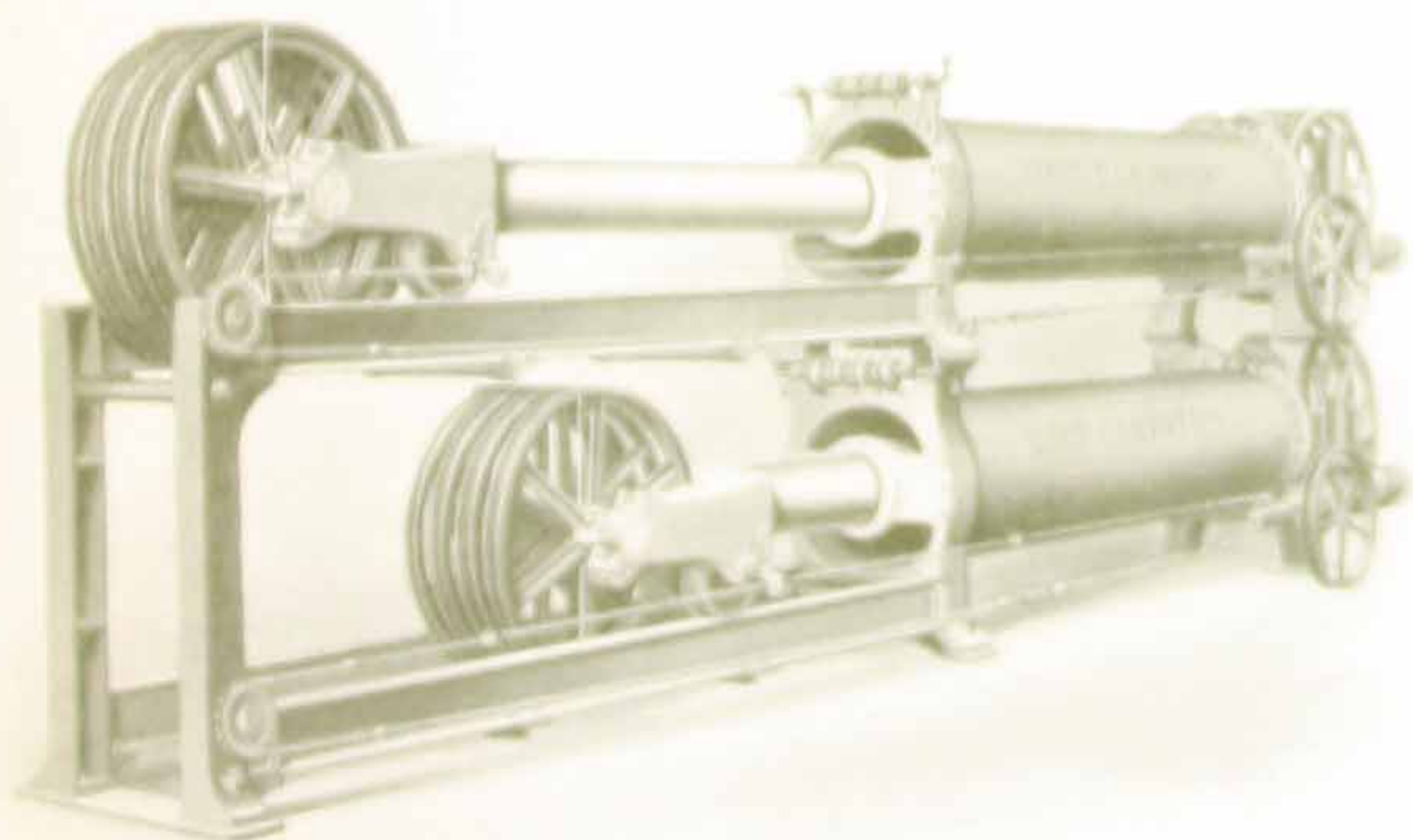








Horizontal Hydraulic Engine "Double Decker" — Tension Pattern



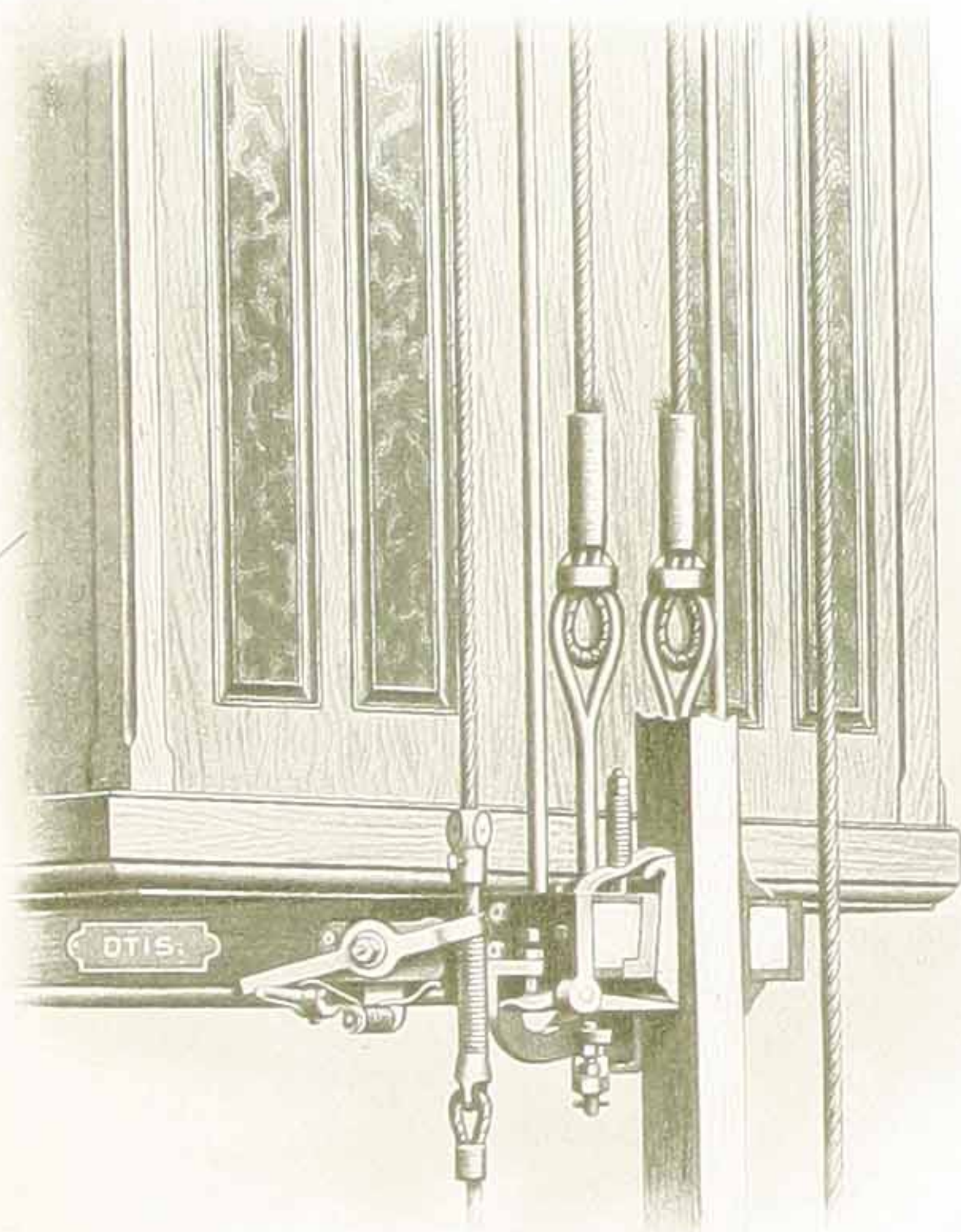
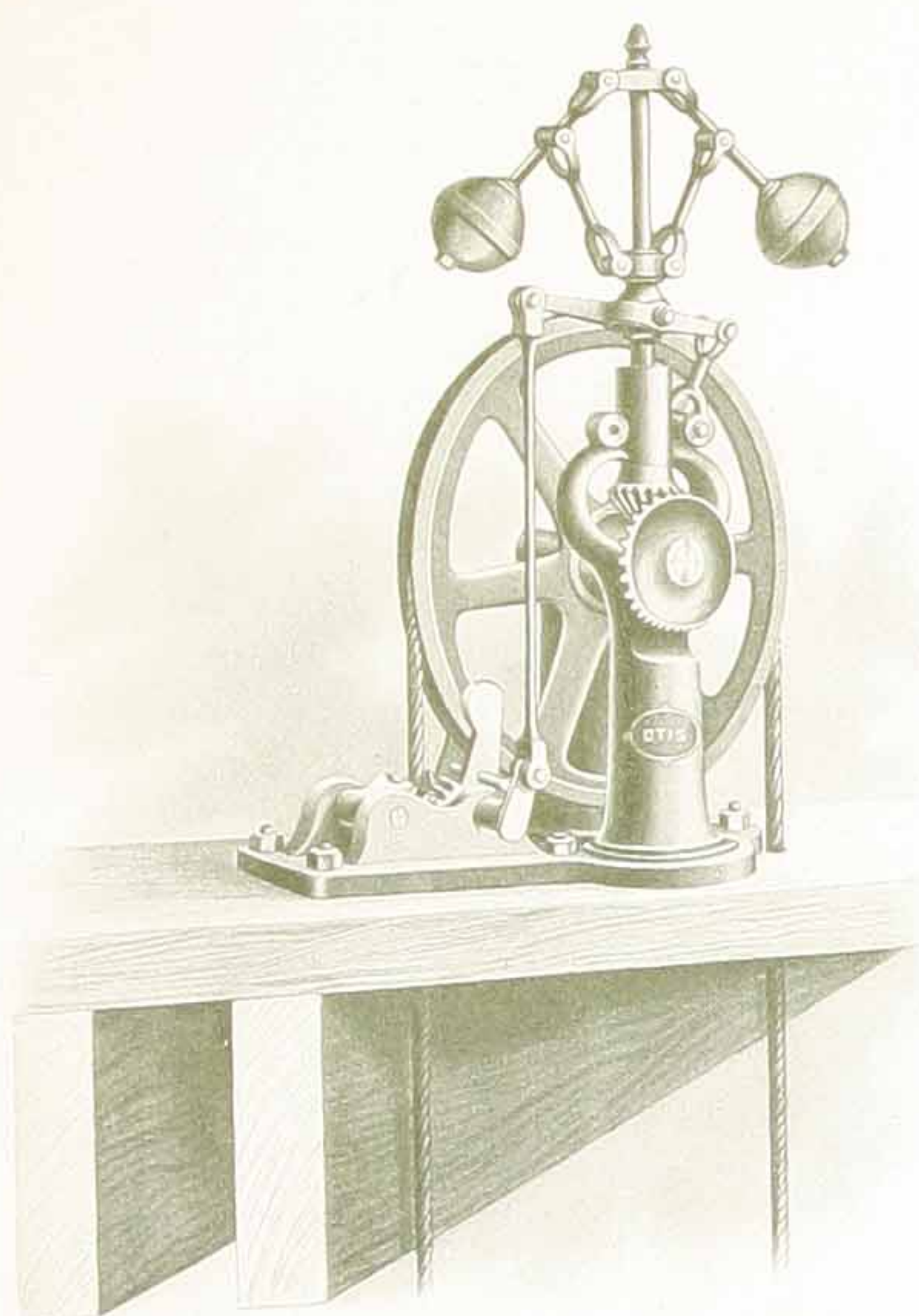
Horizontal Hydraulic Engine "Double Decker" — Pushing Pattern



**W**HILE the factor of safety in the construction of the Otis Elevators is materially in excess of any strain to which they may be liable in their operation, each elevator is provided with special safeguards against all known forms of elevator accident. The illustration shows the speed governor and its connections. This governor has been tested by actual use for over thirty years, and has never failed to limit the speed of the car to the rate to which it is adjusted. Its action is also entirely independent of the lifting cables, so that in the possible contingency of the breakage of these cables, it will bring into action the car safety devices to which it is connected, and will bring the car to a safe and easy stop.









## The Otis Escalator

This ingenious device is a moving stairway which is well adapted to all kinds of service where great numbers of people are to be elevated from one level to another within a limited time.

It has been demonstrated that one of these Escalators in actual use can readily lift from seven to ten thousand people per hour.

It is so constructed that the hand rail travels with the stairs, so that its action is as simple for the person using it as standing upon an ordinary stairway.

This device is the result of many years' experiment, and may be seen in its perfected form in operation at the Paris Exposition.







